

All integrated diode pumped nanosecond OPO at 2.8 – 3.1 μm



100 μJ
10 ns
up to 1kHz

Applications:

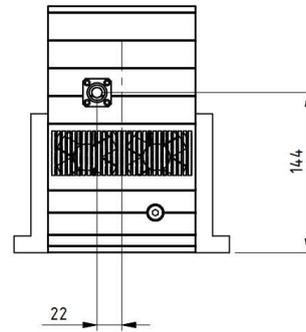
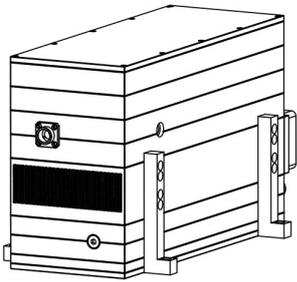
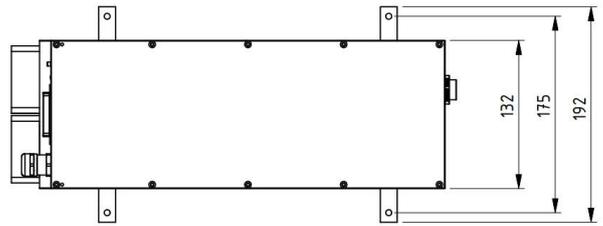
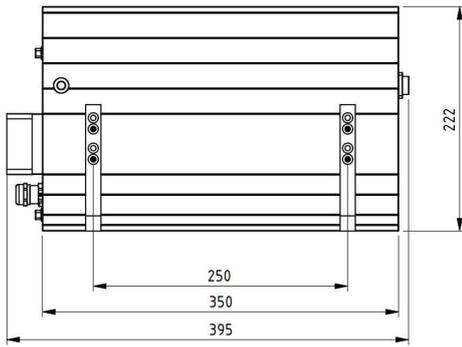
- High peak power nanosecond OPO from 2.8 to 3.1 μm
- Air-cooled, compact design
- Integrated actively Q-switched solid state pump laser
- Pulse on demand
- Ports for external TTL- Trigger and remote control
- Opt. features: power monitor, integrated attenuator
- MIR laser assisted bioprinting of artificial tissue
- Wavelength selective micro material processing
- IR MALDI mass spectrometry

Model	nanoLevante3
Idler Tuning Range	2.8 – 3.1 μm (<i>customized 2.2 – 4 μm</i>)
Signal Tuning Range - optional	1.6 – 1.7 μm (<i>customized 1.45 – 2 μm</i>)
Pulse Repetition Rate	Single Shot ... 1 kHz
Pulse Width	typ. 10 ns
Pulse Energy	typ. 110 μJ @ 1 kHz
Pulse Energy Stability	typ. 1.3% RMS
Beam Quality	$M^2 < 2$ (<i>Gaussian fit</i>)
Beam Diameter at beam exit	typ. 3 mm
Beam Divergence	typ. 2.5 mrad (<i>full angle</i>)
Dimension Laser Head (W/H/L)	130 mm \times 222 mm \times 350 mm
Dimension Power Supply (W/H/L)	19" Rack , 3 HU (450 x 460 x 130 mm ³)
Power Consumption	110 – 240 V, 50 – 60 Hz, 800 W
Operating Temperature	15 – 35 $^{\circ}\text{C}$

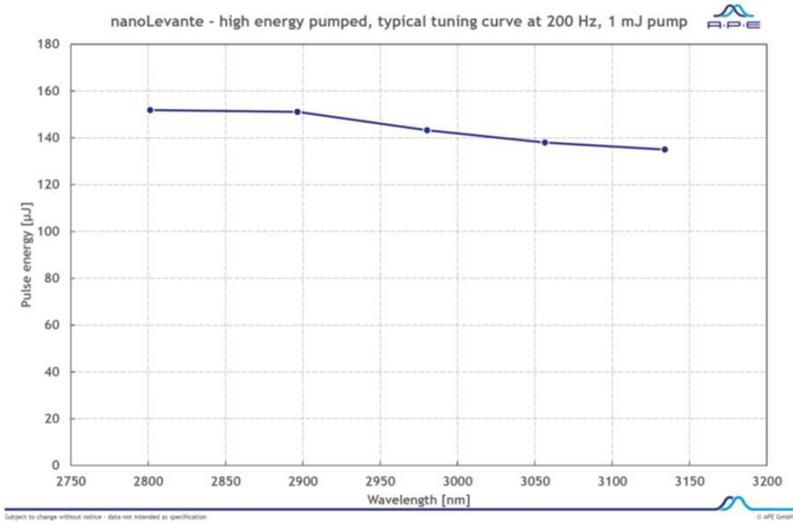
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All dimensions are in mm.



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